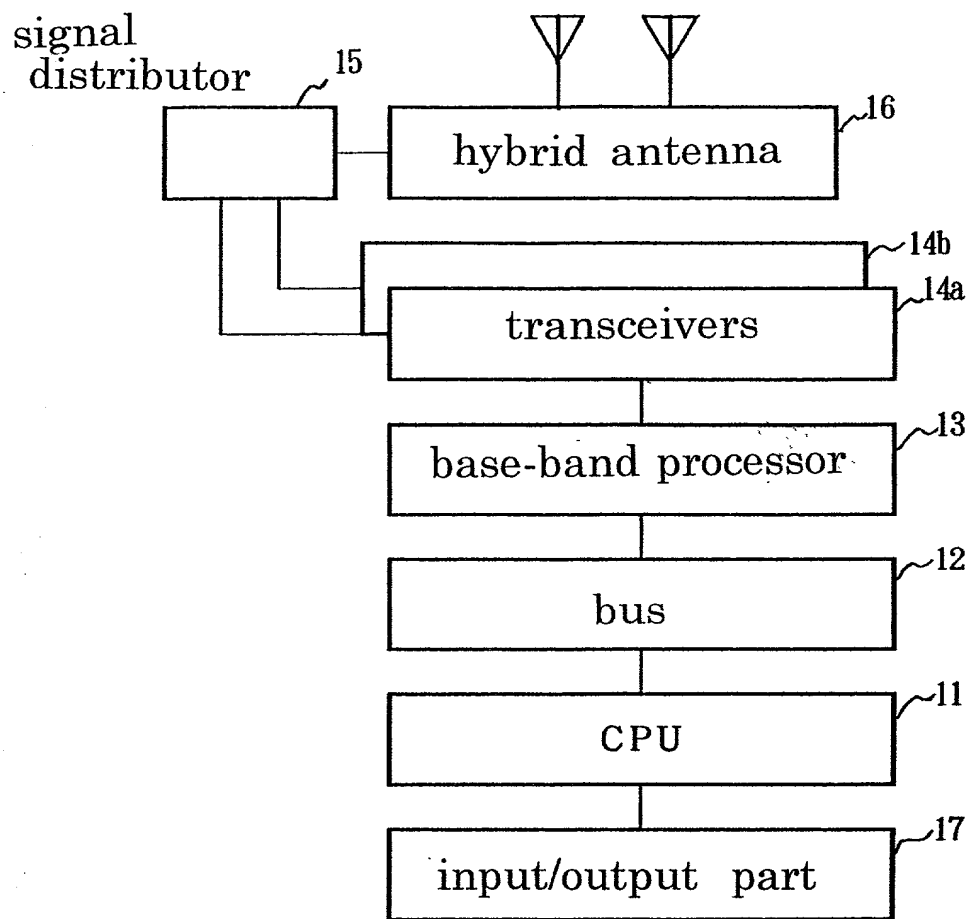


The diagram illustrates a mobile communication system. A car, labeled  $V$ , is shown at the bottom center. A mobile station, labeled  $M$ , is located inside the car. A base station, labeled  $B$ , is shown on the right side. A personal communication system, labeled  $P$ , is shown on the left side. Two satellites, labeled  $S_i$  and  $S_j$ , are shown at the top. The car is connected to the mobile station, which is connected to the base station. The car is also connected to the personal communication system. The car is connected to the two satellites via a network of lines and zig-zag symbols representing communication links.

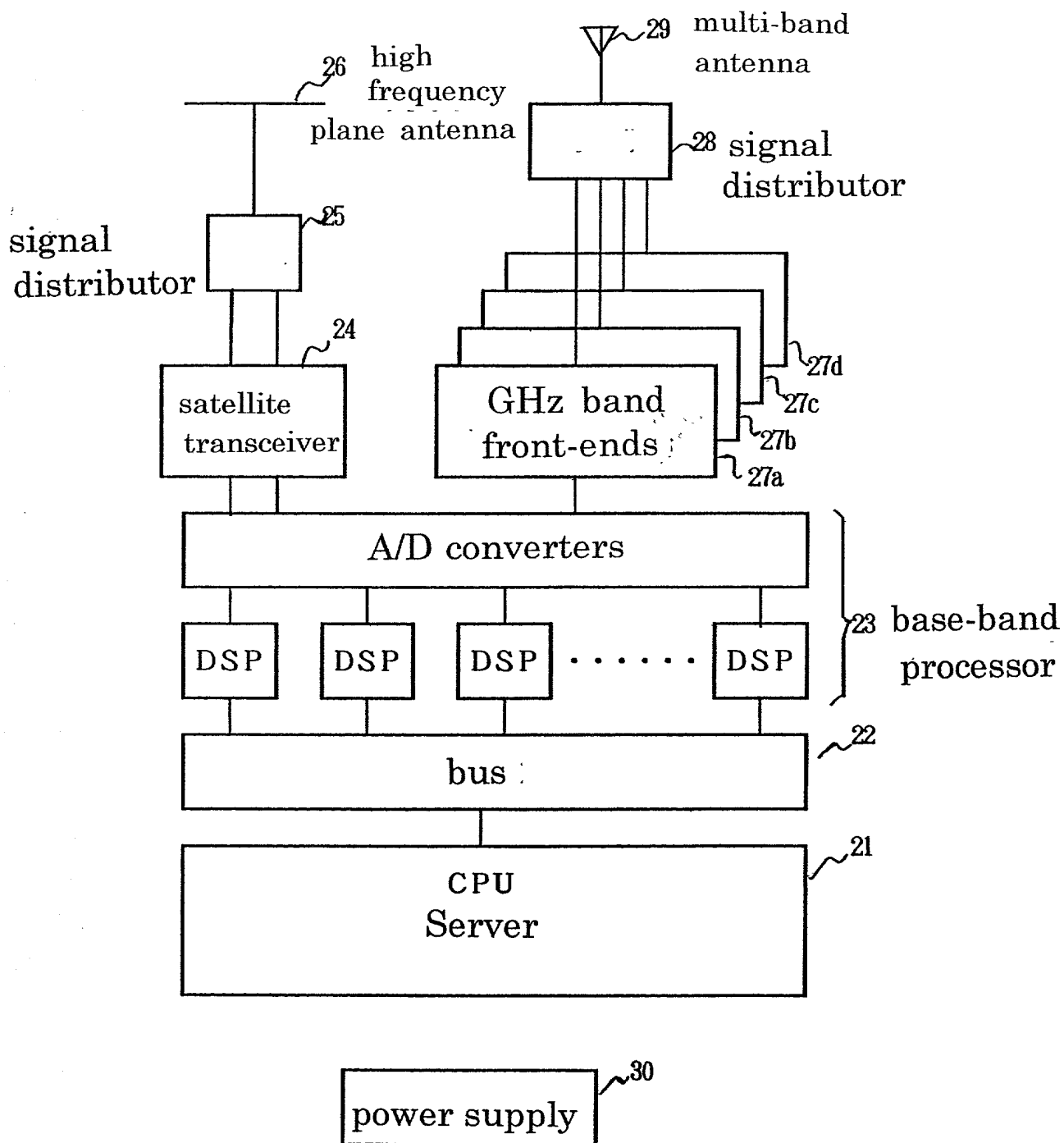
Fig. 1



portable  
communication terminal

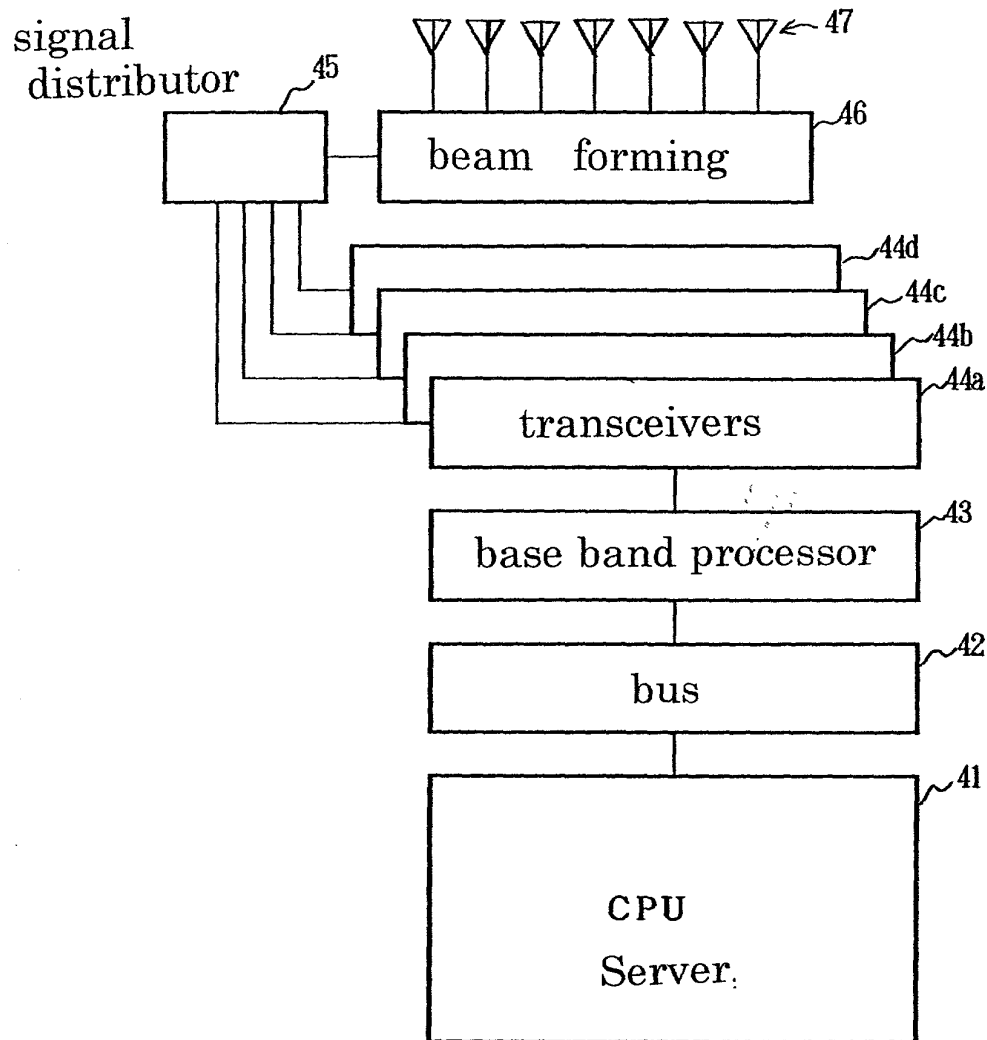
*Fig. 2*

FIG. 3



mobile repeater station

Fig. 3



communication satellite station

Fig. 4